

ABSTRACT

In an input voice pitch normalization device (Tr) equipped
in a voice recognition device (VRAp) for recognizing an input
voice (Svc) uttered by unlimited speakers, and used to change a
pitch of the input voice (Svu) to be in a predetermined
relationship with voice recognition sample data (Psf), a pitch
difference determination device (3, 5, 7, 9; #100, #200, #300,
#400) determines a pitch difference (CR) between said input voice
(Svu) and said voice recognition sample data (Psf), and a pitch
change device (11, 3; #500) changes, based on the pitch difference
(CR) determined by said pitch difference determination device (3,
5, 7, 9; #100, #200, #300, #400), a frequency of the input voice
(Svu) in such a manner as to make the pitch of said input voice
has a predetermined relationship ($CR = 1$) with the pitch of said
voice recognition sample data (Psf).